

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet****Spring 2014 Levee Inspection Results****Sutter Maintenance Yard East-West Interceptor**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Sutter Maintenance Yard East-West Interceptor

Waterway			Bank	Unit Miles
Unit No. 01 West Levee			Right	1.75
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	03/20/2014 - 03/20/2014			
DWR Inspector	Bob Duffey			
Accompanied By	Steve Beckley Sutter Maintenance Yard			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	03/20/2014 03/20/2014	Bob Duffey

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				°
					°
DWR ID	DWR_NA0020_01_s _ 2013_9				
Action/Comments					

No Photos

LM Start		Rating **	A	Issue No.	10
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				°
					°
DWR ID	DWR_NA0020_01_s _ 2013_10				
Action/Comments					

No Photos

LM Start		Rating **	A	Issue No.	11
LM End		Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training				°
					°
DWR ID	DWR_NA0020_01_s _ 2013_11				
Action/Comments					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	03/20/2014 03/20/2014	Bob Duffey

LM Start	0.00	Rating **	M	Issue No.	5
LM End	0.13	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.171577 °	39.171543 °
				-121.760019 °	-121.758291 °
DWR ID	DWR_NA0020_01_s _ 2012_5				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	7
LM End	0.32	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.171577 °	39.171481 °
				-121.760019 °	-121.754826 °
DWR ID	DWR_NA0020_01_s _ 2012_7				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : rduffey_s_20140407_137.jpg



View of the vegetation along the w/s toe.

LM Start	0.22	Rating **	C	Issue No.	21
LM End	0.22	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171482 °	39.171482 °
				-121.756242 °	-121.756242 °
DWR ID	DWR_NA0020_01_f _ 2013_21				
Action/Comments					
Prunings					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	03/20/2014 03/20/2014	Bob Duffey

LM Start	0.23	Rating **	M	Issue No.	2
LM End	0.25	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.171418 °	39.171408 °
				-121.755963 °	-121.755578 °
DWR ID	DWR_NA0020_01_s_2012_2				
Action/Comments					
Landscaping					

Photo 1 of 1 : rduffey_s_20140407_139.jpg



View of the cactus and pine trees along w/s berm.

LM Start	0.30	Rating **	M	Issue No.	22
LM End	0.30	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171459 °	39.171459 °
				-121.755104 °	-121.755104 °
DWR ID	DWR_NA0020_01_f_2013_22				
Action/Comments					
Tree or limb					

No Photos

LM Start	0.36	Rating **	M	Issue No.	23
LM End	0.36	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171450 °	39.171450 °
				-121.754058 °	-121.754058 °
DWR ID	DWR_NA0020_01_f_2013_23				
Action/Comments					
Prunings					

Photo 1 of 1 : rduffey_s_20140407_140.jpg



View of the tree limbs and debris on the w/s berm.

* Location
LS : Land Side
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** Rating
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	03/20/2014 03/20/2014	Bob Duffey

LM Start	0.62	Rating **	U	Issue No.	4
LM End	0.65	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.171292 °	39.171232 °
				-121.748868 °	-121.748175 °
DWR ID	DWR_NA0020_01_s _ 2012_4				
Action/Comments					
Schedule repair of erosion site prior to the next inspection.					

Photo 1 of 1 : rduffey_s_20140407_141.jpg



View of the erosion along the concrete ditch on the w/s slope.

LM Start	0.63	Rating **	A	Issue No.	102
LM End	0.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.171329 °	39.171329 °
				-121.748235 °	-121.748235 °
DWR ID	DWR_ST0020_01_s _ 2014_102				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 1 : rduffey_s_20140407_142.jpg



View of the repaired erosion along the w/s ditch.

LM Start	0.88	Rating **	M	Issue No.	8
LM End	0.88	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.171335 °	39.171335 °
				-121.744039 °	-121.744039 °
DWR ID	DWR_NA0020_01_s _ 2012_8				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 1 : rduffey_s_20140407_143.jpg



View of the erosion along the w/s ditch.

* Location
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** Rating
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	03/20/2014 03/20/2014	Bob Duffey

LM Start	0.92	Rating **	M	Issue No.	12
LM End	1.01	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.171329 °	39.171310 °
				-121.742385 °	-121.741178 °
DWR ID	DWR_NA0020_01_f_2012_12				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 1 : rduffey_s_20140407_144.jpg



View of the erosion along the West interceptor canal.

LM Start	1.03	Rating **	M	Issue No.	14
LM End	1.07	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.171314 °	39.171300 °
				-121.740994 °	-121.740173 °
DWR ID	DWR_NA0020_01_s_2013_14				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 1 : rduffey_s_20140407_145.jpg



View of the erosion along the West interceptor canal.

*** Location**
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WS : Water Side
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	03/20/2014 03/20/2014	Bob Duffey

LM Start	1.09	Rating **	M	Issue No.	99
LM End	1.09	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.171296 °	39.171296 °
				-121.739779 °	-121.739779 °
DWR ID	DWR_ST0020_01_s _ 2014_99				
Action/Comments					
Inspector Comments: FS_ID:23635					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Pipe not permitted and has no flap gate 5/15/2013					
Same as last inspection 11/4/2013 Same as last inspection.					
FIELD_STRUCT_DESC: 8-inch corrugated metal drain pipe through the					
levee 1.5-feet below the crown. Unable to locate the inlet.					
FS Date: 11/4/2013 2:35:54 PM					

Photo 1 of 1 : UCIP_3564.jpg



Pipe at outlet on WS crown.

LM Start	1.09	Rating **	M	Issue No.	100
LM End	1.09	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.171301 °	39.171301 °
				-121.739799 °	-121.739799 °
DWR ID	DWR_ST0020_01_s _ 2014_100				
Action/Comments					
Inspector Comments: FS_ID:23634					
EP_NO: 12746					
Repair Type:					
Crossing Status:					
UCIP Comments: There is no flap gate or other device to prevent water from flowing back through the pipe at the outlet 5/15/2013 Same as last inspection 1/4/2013 Same as last inspection.					
FIELD_STRUCT_DESC: 24-inch concrete storm drain pipe through the levee 2-feet below the crown with a steel deflector at outlet. (Permit No. 12746, 1979, Garcia).					
FS Date: 11/4/2013 2:35:05 PM					

Photo 1 of 1 : UCIP_3563.jpg



Outlet in channel with steel deflector over pipe outlet.

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	03/20/2014 03/20/2014	Bob Duffey

LM Start	1.16	Rating **	M	Issue No.	13
LM End	1.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.171271 °	39.171252 °
				-121.738194 °	-121.736868 °
DWR ID	DWR_NA0020_01_f_2012_13				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 1 : rduffey_s_20140407_146.jpg



You of the erosion along the West interceptor canal.

LM Start	1.23	Rating **	M	Issue No.	3
LM End	1.24	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.171380 °	39.171380 °
				-121.737337 °	-121.737337 °
DWR ID	DWR_NA0020_01_s_2012_3				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 1 : rduffey_s_20140407_150.jpg



View of the erosion along West interceptor canal.

* Location
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WS : Water Side
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A/W : Acceptable but Monitor & Maintain

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 West Levee	Right	1.75	03/20/2014 03/20/2014	Bob Duffey

LM Start	1.34	Rating **	M	Issue No.	101
LM End	1.34	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.171198 °	39.171198 °
				-121.735125 °	-121.735125 °
DWR ID	DWR_ST0020_01_s _ 2014_101				
Action/Comments					
Inspector Comments: FS_ID:23637					
EP_NO: 15946					
Repair Type:					
Crossing Status:					
UCIP Comments: Inlet is completely blocked with soil 11/15/2013					
Same as last inspection 11/4/2013 Same as last inspection.					
FIELD_STRUCT_DESC: 12-inch CMP drain line through the levee 2-					
feet below the crown encased in concrete with flap gate on water side.					
Permit No. 15946 (1992) Design drawings available in permit.					
FS Date: 11/4/2013 2:37:32 PM					

Photo 1 of 1 : UCIP_3567.jpg



Coated CMP at outlet.

LM Start	1.67	Rating **	M	Issue No.	6
LM End	1.67	Issue Type +	Ma	Location *	WS
Category	Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.171128 °	39.171128 °
				-121.729235 °	-121.729235 °
DWR ID	DWR_NA0020_01_s _ 2012_6				
Action/Comments					
Inspector Comments: Sutter Yard needs to repair the channel.					

Photo 1 of 1 : rduffey_s_20140407_149.jpg



View of the erosion along the w/s slope.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
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A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2014 Levee Inspection Results

Sutter Maintenance Yard East-West Interceptor

Waterway			Bank	Unit Miles
Unit No. 02 East Levee			Left	3.01
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	03/24/2014 - 03/24/2014			
DWR Inspector	Bob Duffey			
Accompanied By	Steve Beckley Sutter Maintenance Yard			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.01	03/24/2014 03/24/2014	Bob Duffey

LM Start		Rating **	A	Issue No.	7
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals				°
					°
DWR ID	DWR_NA0020_02_s _ 2013_7				
Action/Comments					

No Photos

LM Start		Rating **	A	Issue No.	8
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment				°
					°
DWR ID	DWR_NA0020_02_s _ 2013_8				
Action/Comments					

No Photos

LM Start		Rating **	A	Issue No.	15
LM End		Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training				°
					°
DWR ID	DWR_NA0020_02_s _ 2013_15				
Action/Comments					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.01	03/24/2014 03/24/2014	Bob Duffey

LM Start	0.00	Rating **	M	Issue No.	11
LM End	0.26	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.171116 °	39.171101 °
				-121.726501 °	-121.721857 °
DWR ID	DWR_NA0020_02_s _ 2012_11				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

No Photos

LM Start	0.25	Rating **	M	Issue No.	12
LM End	0.25	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171107 °	39.171107 °
				-121.722069 °	-121.722069 °
DWR ID	DWR_NA0020_02_s _ 2012_12				
Action/Comments					
Garbage					
Inspector Comments: Tires					

Photo 1 of 1 : rduffey_s_20140304_793.jpg



View of the tires along the W/S toe.

LM Start	0.26	Rating **	M	Issue No.	9
LM End	0.26	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171101 °	39.171101 °
				-121.721856 °	-121.721856 °
DWR ID	DWR_NA0020_02_s _ 2012_9				
Action/Comments					
Debris					

Photo 1 of 1 : rduffey_s_20140304_791.jpg



View of the debris along the L/S toe.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.01	03/24/2014 03/24/2014	Bob Duffey

LM Start	0.39	Rating **	M	Issue No.	1
LM End	0.39	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.171067 °	39.171067 °
				-121.719217 °	-121.719217 °
DWR ID	DWR_ST0020_02_s _ 2014_1				
Action/Comments					
Inspector Comments: FS_ID:23642					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Pipe and pump abandoned. Pipe should be removed or properly abandoned 5/15/2013 Same as last inspection 11/4/2013 Same as last inspection.					
FIELD_STRUCT_DESC: 8-inch iron irrigation pipe through the levee 2-feet below crown. 7.5 HP Pump in canal. Originally included in O+M manual 1953. See As-builts Dwg. 50-10-2816.					
FS Date: 11/4/2013 2:41:32 PM					

Photo 1 of 1 : UCIP_3570.jpg



Pipe on LS slope.

LM Start	0.55	Rating **	M	Issue No.	2
LM End	2.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.171002 °	39.170507 °
				-121.716293 °	-121.676212 °
DWR ID	DWR_NA0020_02_s _ 2012_2				
Action/Comments					
Remove the wild growth other than native grasses from the levee slopes.					

Photo 1 of 1 : rduffey_s_20140324_131.jpg



View of the vegetation on both slopes.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.01	03/24/2014 03/24/2014	Bob Duffey

LM Start	0.74	Rating **	M	Issue No.	13
LM End	0.74	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170989 °	39.170989 °
				-121.712650 °	-121.712650 °
DWR ID	DWR_ST0020_02_s _ 2014_13				
Action/Comments					
Inspector Comments: FS_ID:23643					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: Pumping plant abandoned. Pipe abandoned and only visible at bottom of concrete standpipe. Pipe needs to be abandoned properly 5/15/2013 Same as last inspection 11/4/2013					
Same as last inspection.					
FIELD_STRUCT_DESC: 12-inch iron irrigation pipe through the levee 6-feet below the crown. Power pole on waterward shoulder with pump on berm. 36-inch concrete standpipe on LS shoulder. Originally included in O+M manual 1953. See As-builts Dwg. 50-10-2816.					
FS Date: 11/4/2013 2:43:51 PM					

Photo 1 of 1 : UCIP_3573.jpg



Concrete standpipe on LS shoulder.

LM Start	1.43	Rating **	M	Issue No.	3
LM End	1.55	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.170782 °	39.170817 °
				-121.700167 °	-121.698203 °
DWR ID	DWR_NA0020_02_s _ 2012_3				
Action/Comments					
Debris					

Photo 1 of 1 : rduffey_s_20140324_132.jpg



View of the piles of broken concrete next to the levee.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.01	03/24/2014 03/24/2014	Bob Duffey

LM Start	1.54	Rating **	M	Issue No.	14
LM End	1.54	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170847 °	39.170847 °
				-121.697888 °	-121.697888 °
DWR ID	DWR_ST0020_02_s _ 2014_14				
Action/Comments					
Inspector Comments: FS_ID:23648					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: LS intake is filled and blocked with soil 5/15/2013					
Same as last inspection 11/4/2013 Same as last inspection.					
FIELD_STRUCT_DESC: 16-inch corrugated metal pipe through the					
levee 5-feet below the crown. Flap gate on waterward end.					
FS Date: 11/4/2013 2:48:03 PM					

Photo 1 of 1 : UCIP_3575.jpg



Pipe with flapgate at outlet on WS slope.

LM Start	1.54	Rating **	M	Issue No.	4
LM End	1.93	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.170800 °	39.170702 °
				-121.698105 °	-121.690788 °
DWR ID	DWR_NA0020_02_s _ 2012_4				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 1 : rduffey_s_20140304_788.jpg



View of the erosion along the waterside slope.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
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N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.01	03/24/2014 03/24/2014	Bob Duffey

LM Start	1.74	Rating **	M	Issue No.	16
LM End	1.74	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170832 °	39.170832 °
				-121.694174 °	-121.694174 °
DWR ID	DWR_ST0020_02_s _ 2014_16				
Action/Comments					
Inspector Comments: FS_ID:23651					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: No permit identified for crossing5/15/2013 Same as last inspection11/4/2013 Same as last inspection.					
FIELD_STRUCT_DESC: 7-inch flexible HDPE storm drain pipe through the levee 1-foot below the crown.					
FS Date: 11/4/2013 2:49:52 PM					

Photo 1 of 1 : UCIP_3579.jpg



HDPE pipe on upstream side of aluminum pipe shown in picture.

LM Start	1.74	Rating **	M	Issue No.	19
LM End	1.74	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170832 °	39.170832 °
				-121.694174 °	-121.694174 °
DWR ID	DWR_ST0020_02_s _ 2014_19				
Action/Comments					
Inspector Comments: FS_ID:23650					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: No permit identified for crossing 5/15/2013 Same as last inspection 11/4/2013 Same as last inspection.					
FIELD_STRUCT_DESC: 5-inch aluminum storm drain pipe through the levee 1-foot below the crown. Flap gate on water side with concrete headwall block on LS.					
FS Date: 11/4/2013 2:49:21 PM					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.01	03/24/2014 03/24/2014	Bob Duffey

LM Start	1.76	Rating **	M	Issue No.	20
LM End	1.76	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170806 °	39.170806 °
				-121.693769 °	-121.693769 °
DWR ID	DWR_ST0020_02_s _ 2014_20				
Action/Comments					
Inspector Comments: FS_ID:23653					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: No permit identified for crossing5/15/2013 Same as last inspection11/4/2013 Same as last inspection.					
FIELD_STRUCT_DESC: 7-inch flexible HDPE storm drain pipe through the levee 1-foot below the crown.					
FS Date: 11/4/2013 2:50:40 PM					

Photo 1 of 1 : UCIP_3582.jpg



HDPE pipe on WS shoulder.

LM Start	1.76	Rating **	M	Issue No.	21
LM End	1.76	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170806 °	39.170806 °
				-121.693769 °	-121.693769 °
DWR ID	DWR_ST0020_02_s _ 2014_21				
Action/Comments					
Inspector Comments: FS_ID:23652					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: No permit identified for crossing 5/15/2013 Same as last inspection 11/4/2013 Same as last inspection.					
FIELD_STRUCT_DESC: 5-inch aluminum storm drain pipe through the levee 1-foot below the crown. Flap gate on water side with concrete headwall block on LS.					
FS Date: 11/4/2013 2:50:13 PM					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
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C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.01	03/24/2014 03/24/2014	Bob Duffey

LM Start	1.82	Rating **	M	Issue No.	25
LM End	1.89	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.170801 °	39.170794 °
				-121.692591 °	-121.691355 °
DWR ID	DWR_ST0020_02_s _ 2014_25				
Action/Comments					
Prunings					

Photo 1 of 1 : rduffey_s_20140324_133.jpg



View of the tree prunings along the landside slope.

LM Start	1.92	Rating **	M	Issue No.	5
LM End	2.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.171104 °	39.171104 °
				-121.718880 °	-121.718876 °
DWR ID	DWR_NA0020_02_s _ 2012_5				
Action/Comments					
Equipment					

Photo 1 of 1 : rduffey_s_20140304_789.jpg



View of the equipment and buildings next to the landside berm.

LM Start	1.93	Rating **	U	Issue No.	26
LM End	1.93	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.170743 °	39.170743 °
				-121.690644 °	-121.690644 °
DWR ID	DWR_ST0020_02_s _ 2014_26				
Action/Comments					
Pipe					

Photo 1 of 1 : rduffey_s_20140324_134.jpg



View of the unauthorized pipe going through the crown of the levee.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.01	03/24/2014 03/24/2014	Bob Duffey

LM Start	1.95	Rating **	M	Issue No.	6
LM End	1.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.170775 °	39.170775 °
				-121.691252 °	-121.691255 °
DWR ID	DWR_NA0020_02_s _ 2012_6				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 1 : rduffey_s_20140304_790.jpg



View of the erosion along the W/S slope.

LM Start	1.97	Rating **	U	Issue No.	27
LM End	1.97	Issue Type +	En	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.170777 °	39.170777 °
				-121.689820 °	-121.689820 °
DWR ID	DWR_ST0020_02_s _ 2014_27				
Action/Comments					
Pipe					

Photo 1 of 1 : rduffey_s_20140324_135.jpg



View of the unauthorized pipe going through the crown of the levee.

LM Start	2.02	Rating **	M	Issue No.	17
LM End	2.02	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.170756 °	39.170756 °
				-121.689841 °	-121.689841 °
DWR ID	DWR_NA0020_02_s _ 2013_17				
Action/Comments					
Note and monitor erosion site.					

Photo 1 of 1 : rduffey_s_20140304_794.jpg



View of the erosion caused by the unauthorized pipe.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.01	03/24/2014 03/24/2014	Bob Duffey

LM Start	2.02	Rating **	U	Issue No.	18
LM End	2.02	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.170756 °	39.170756 °
				121.689840 °	121.689840 °
DWR ID	DWR_NA0020_02_s _ 2013_18				
Action/Comments					
Pipe Inspector Comments: View of an unauthorized pipe going through the crown of the levee.					

Photo 1 of 1 : rduffey_s_20140324_136.jpg



View of the unauthorized pipe going through the crown of the levee.

LM Start	2.05	Rating **	M	Issue No.	22
LM End	2.05	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170708 °	39.170708 °
				-121.688572 °	-121.688572 °
DWR ID	DWR_ST0020_02_s _ 2014_22				
Action/Comments					
Inspector Comments: FS_ID:23658					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: No permit identified for this crossing5/15/2013					
Same as last inspection11/4/2013 Same as last inspection.					
FIELD_STRUCT_DESC: Fiber optic line through the levee at unknown					
depth crossing on east side of Township road bridge.					
FS Date: 11/4/2013 2:56:14 PM					

Photo 1 of 1 : UCIP_3584.jpg



Marker on east side of N Township Drive, south of interceptor.

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard East-West Interceptor

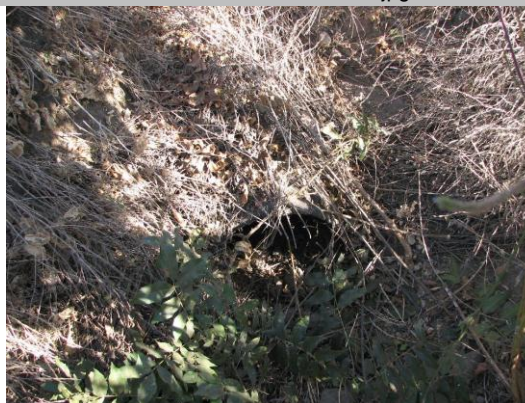
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.01	03/24/2014 03/24/2014	Bob Duffey

LM Start	2.05	Rating **	M	Issue No.	23
LM End	2.05	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170708 °	39.170708 °
				-121.688566 °	-121.688566 °
DWR ID	DWR_ST0020_02_s _ 2014_23				
Action/Comments					
Inspector Comments: FS_ID:23659					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: No permit identified for this crossing5/15/2013					
Same as last inspection11/4/2013 Same as last inspection.					
FIELD_STRUCT_DESC: Gas line crossing through the levee at					
unknown depth. Sign on LS.					
FS Date: 11/4/2013 2:56:42 PM					

No Photos

LM Start	2.05	Rating **	M	Issue No.	24
LM End	2.05	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.170639 °	39.170639 °
				-121.688445 °	-121.688445 °
DWR ID	DWR_ST0020_02_s _ 2014_24				
Action/Comments					
Inspector Comments: FS_ID:23660					
EP_NO: N/A					
Repair Type:					
Crossing Status:					
UCIP Comments: No permit identified for this crossing 5/15/2013					
Same as last inspection 11/4/2013 Same as last inspection.					
FIELD_STRUCT_DESC: 18-inch asphalt coated corrugated metal storm drain pipe through the levee 6-feet below the crown. Flap gate on water side.					
FS Date: 11/4/2013 2:57:10 PM					

Photo 1 of 1 : UCIP_3590.jpg



Pipe on LS toe.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
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A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2014

Sutter Maintenance Yard East-West Interceptor

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 East Levee	Left	3.01	03/24/2014 03/24/2014	Bob Duffey

LM Start	2.71	Rating **	M	Issue No.	10
LM End	2.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.170548 °	39.170548 °
				-121.675970 °	-121.675970 °
DWR ID	DWR_NA0020_02_s _ 2012_10				
Action/Comments					
Material					

Photo 1 of 1 : rduffey_s_20140304_792.jpg



View of material, garbage & equipment along the L/S toe.

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement